

ABSTRACTED Knitted Outerwear Times

the official publication of the
national knitted outerwear association
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sweaters • swim suits • infantswear • knit fabrics • polo shirts • gloves • headwear

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Vol. 30

MONDAY, AUGUST 21, 1961

No. 35

Bancroft Ups Standards For Ban-Lon Knits

WILMINGTON, Del.—Revision of certain knitting standards for various categories of knitted outerwear garments eligible to carry the Ban-Lon quality trade mark have been announced by Joseph Bancroft & Sons Co., owners of the mark.

Basically, the changes concern an increase in stitch count for certain interlock and full-fashioned fabrics for infants', children's and women's sweaters, and men's sportshirts and sweaters. Also, there are changes in the minimum sizing dimensions.

Details of the new standards have been outlined in a letter from Bancroft to their yarn and trade mark licensees in the United States and Canada. The changes are effective immediately for new garments, and November 9 is the deadline for all garments eligible to carry the Ban-Lon trademark.

Dr. A. L. Lippert, Bancroft vice president, said the decision to tighten knitting specifications is based on experience, and knowledge of consumer desires and needs, and is in accordance with Bancroft's established policy of contributing to the improvement of products carrying their trademarks.

"This is definitely not a question of correcting inadequate standards," Lippert said, "but rather it is a positive action designed to further enhance the worth of basically good products. We believe the changes will contribute to the long-range stability of the Ban-Lon program and will be of benefit to all."



Joyce Mericle, a Pennsylvania beauty who will be one of the 12 finalists at the 16th Annual National Sweater Queen Contest, to be held at the Waldorf September 18.

Nields And Korzenik Advise Trade Delegation

James F. Nields, president, and Sidney S. Korzenik, executive director of the National Knitted Outerwear Association, left on Saturday for Tokyo where they will serve as industry advisors to the U. S. delegation that will negotiate a new bilateral trade agreement with Japan. The agreement is expected to set up import limitations on cotton textiles and apparel including knitgoods.

The delegation will consist of Warren Christopher of the U. S. State Department, Hickman Price, Jr., Assistant Secretary Affairs and Leo Werts, Deputy Assistant Secretary of Labor.

Wool Knit Gloves Bids

PHILADELPHIA, Pa. — The Military Clothing and Textile Supply Agency plans to procure soon approximately 1,071,280 pairs of wool knit glove inserts (OG-108, M-1949). The delivery schedule will be 120-270 days.

Wages & Hours

15 Cents Hike In Minimum Wage For Knitwear Learners Proposed

THE special minimum wage for learners employed under certificates of approval in the knitted outerwear industry will be raised from 90¢ to \$1.05 per hour, according to an amendment to the learner regulations proposed by the Wage and Hour Administrator last week. The 15-cent increase is expected to take effect when the statutory minimum wage is raised by the same margin, to \$1.15 per hour on September 3, 1961. However, the amendment has not yet been formally adopted.

It has been merely proposed, and the opportunity is given for all those who may object, to file protests on or before August 27. The Wage and Hour Administrator will thereafter promulgate the regulation and its effective date. This amendment was proposed following conferences with industry representatives, and changes in it are not deemed likely.

Similar increases have been proposed for learner rates in other industries. In general, the Administration appears to have followed the rule of increasing all learner rates by 15¢, except where the effect of the increase is still to leave the learner level below \$1.00, the rate has been increased to \$1.00.

Must Apply

Although the terms of employment of learners in the knitted wear industry are governed by a special regulation, any employer seeking to engage novices at learner rates must first apply to the Administration by filing a special form for this purpose. Only after a certificate has been granted, is the employment of persons at learner rates permitted.

Under the regulation, the

number of learners authorized to an employer by any special certificate issued to meet normal labor turnover needs may not on any workday exceed five per cent of the total number of productive factory workers in the plant, provided that in factories where less than 100 learners are employed, a maximum of five learners may be authorized. Where the situation warrants, special certificates may be issued to new or expanding plants, authorizing the employment of learners in specified occupations to the extent of the need shown to exist.

Authorized Jobs

The authorized occupations in which learners may be employed are: machine knitter, machine stitcher, presser, wind-er, dyeing machine operator, brush machine operator, and dryer operator, except that in exceptional cases the employment of learners at a subminimum wage may be authorized in other occupations upon a showing by any individual employer making application for a special certificate that a denial would result in a curtailment of opportunities for employment.

The learning period is limited for each occupation specified. No worker shall be employed as a learner under the certificate after 480 hours' experience in the occupation of

(Continued on Page 28)

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Finishing Equipment

Calender For Double Jersey Fabrics

By CHARLES REICHMAN, Editor

APART from its impact on the design and engineering of appropriate circular yardgoods knitting equipment, the nascent double jersey fabric vogue has exercised a marked influence on the development of such ancillary fabric finishing equipment as the knitgoods calender. The reason for this is, of course, not hard to understand. Existing calendars are designed primarily for handling plain jersey (single needle) fabrics in tubular form while double jersey fabrics are generally final-finished at the open width.

While it is quite possible to process double knit fabrics on a conventional jersey cloth calender, the fact that this heavier type of cloth, subsequent to calendering, must be decated at the open width requires that a slitting and opening operation be interposed between calendering and decating.

It is for this reason largely that in the development of new models manufacturers of calendering equipment have constructed their units in such a manner that they now combine slitting and opening with conventional calendering.

Typical of the new combination calendars now coming on the market for handling double jersey fabrics is the high speed double knit calendering and opening machine recently perfected by Joseph Pernick Co., Inc., Maspeth, L. I. Although primarily designed for the processing of all types of plain and jacquard patterned double jersey fabrics, the machine actually is far broader in scope. It can handle plain jersey (single needle) fabrics, destined for lamination to polyurethane foam, as well as knit elasticized swimwear fabrics turned out on either sinker top or cylinder and dial machinery.

The new Pernick calender is produced in two models—a 42-inch unit and a 72-inch machine. The former is engineered specifically for double as well as plain jersey fabrics; the latter for extra wide fabrics to be bonded to foam.

Although the machine is operated as a single unit, actually it is two-part in construction, consisting of a calender section and a slitting and opening unit. The calender portion comprises the following basic elements:

- Cloth spreader at the feed end.

- Top and bottom steam boxes.

- Main rollers which can be heated or cold, as desired.

The principal components of the splitting and opening section of the Pernick combination calender are the cutter at the exit end of the calender, a fabric opening unit and the cloth take-up assembly.

At every stage of processing, from the time the cloth enters the spreader at the feed end of the calender to final take-up, the fabric is handled on a tensionless basis. The spreader, for example, operates on the overfeed principle. Opening is via a patented sheet metal set-up which continuously supports the fabric during this operation. As the fabric is drawn off after opening to the final take-up roller, it is also supported on a metal plate. After the fabric is cooled as it comes out of the calendering section of the machine, it is slit on one side. Opening and rolling is done in a continuous operation, thus eliminating the center crease. This step is executed at a speed of up to 40 yards per minute.

Single needle jersey fabrics

processed on the machine, it is claimed, need not be treated with a starch or other stiffening agent to prevent edge curl. The tendency of plain jersey fabrics to curl up at the edges is overcome on the unit by means of the tension-free opening and rolling arrangement.

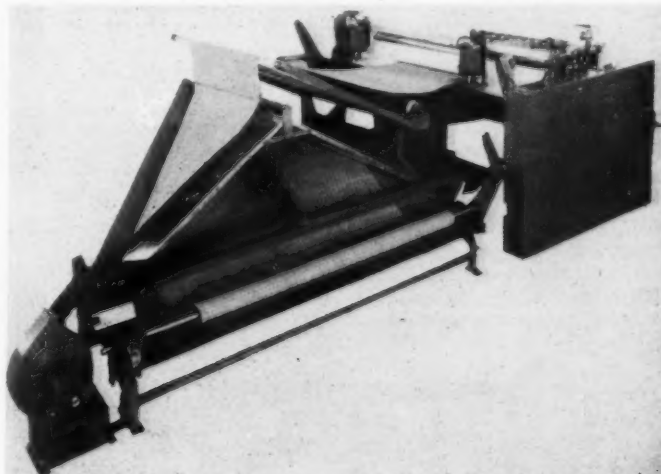
It is claimed too that fabric handled on the unit need not be subsequently processed on a tenter frame to maintain width.

The 72-inch Pernick combination calender designed for single needle fabrics to be laminated to urethane foam incorporates a number of features not included on the 42-inch double jersey model. The larger machine has facilities for double slitting up to 70-inch wide tubular cloth. This is done by means of motorized cutters at both sides of the exit end of the calender. In rolling up the double rolls the opening device on the machine is, of course, bypassed. However, a mechanism goes into play which assures that the two fabrics will be rolled up with the cloth face outside.

Another feature of the oversized model is a blower attachment designed to facilitate handling of bulky knits.

Operation of the machine is said to be simple, requiring only a single operator. Relatively little maintenance is required.

Both models can be equipped with a chain drive measuring clock.



72-inch all-purpose model of the new Pernick combination calender and slitting and opening machine. Accordion pipe below is blower unit for processing bulky knit.

Knitted Outerwear Times

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The Knitted Outerwear Times being the official publication of the National Knitted Outerwear Association, is exclusively devoted to the dissemination of information, the exchange of opinion, the stimulation of trade, and the general improvement of the knitted outerwear industry in accordance with the Association's basic objectives as expressed in the preamble of its by-laws.

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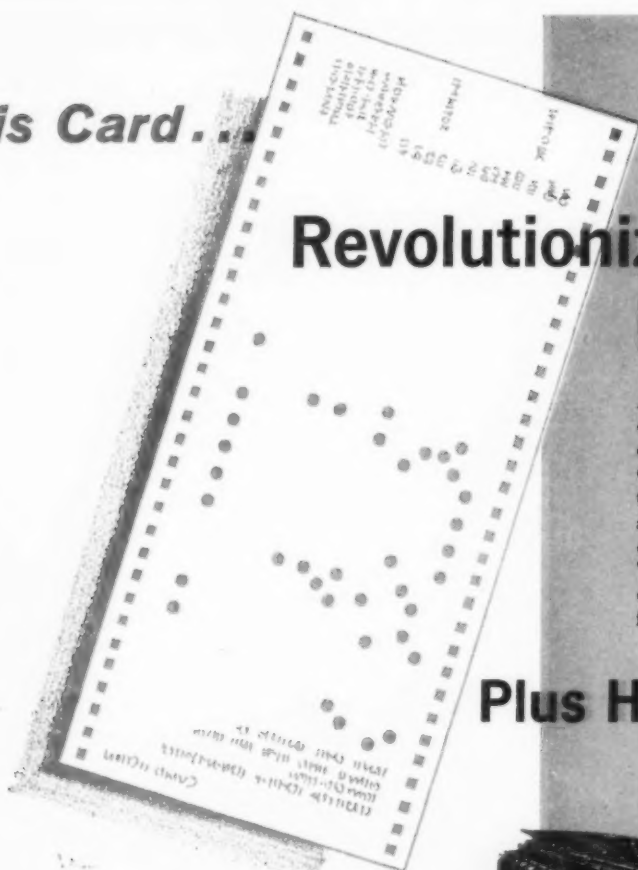
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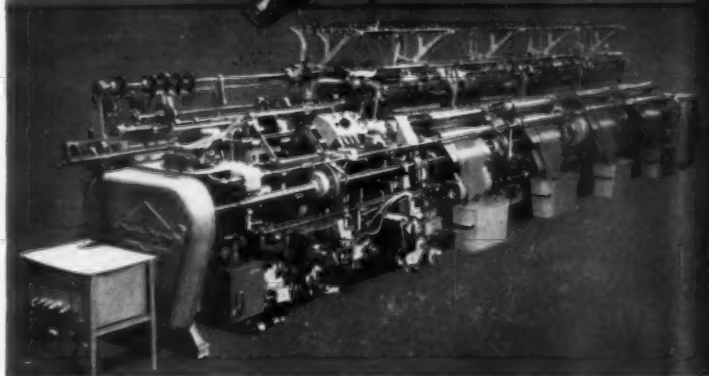
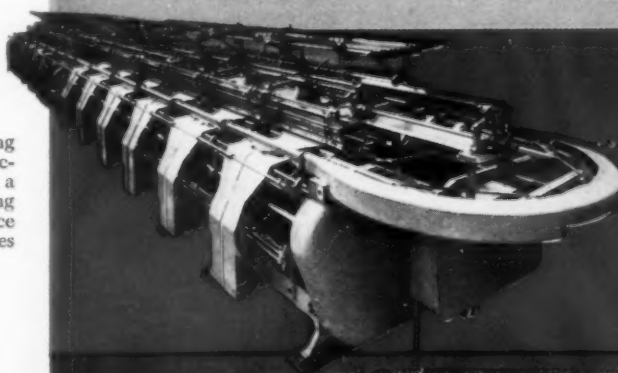
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Double Jersey Yardgoods Machinery

Technical Features Of Mayer Overnit II Machine

By J. B. LANCASHIRE
Senior Lecturer, School of Textiles
Leicester College of Technology

THE Mayer Overnit II machine is a cylinder-and-dial model built to make knitted fabrics for tailored dresswear. Being equipped with multiple step needle selecting mechanism, it is especially suitable for the production of flat jacquard and jacquard relief textures, but can also make non-jacquard double jersey fabrics such as interlock, eightlock, single and double pique and bourrelet, as well as various tuck rib structures and lace-like tuck jacquard effects.

In its standard form the machine has a needle cylinder 30 inches in diameter and incorporates 24 feeds. A total complement of 1,440 cylinder needles and 1,440 dial needles gives a gauge designated 16 x 16 (actually 15.3 needles per inch). The needle cylinder revolves counter clockwise at speeds varying between 16 and 20 revolutions per minute and counts of worsted yarns suitable for use range from 1/24s to 1/36s in the Bradford system.

The cylinder consists of an upper part which houses single butt wire latch needles, and a lower part in which jacks are placed. On each jack there are 37 positions for patterning butts in addition to a bottom raising butt and a top lowering butt.

The needle actuating cams in the stationary cam box enable cylinder needles to knit or miss at each feed. A manually-operated swing clearing cam occupies its high position for knitting and its low position for missing. There is also a cam by means of which needles can be raised collectively to tucking height. It is used chiefly to facilitate hooking-on after press-off has occurred but can also serve in certain circumstances to assist the knitting action.

At any feed at which the swing clearing cam occupies its lower position the cylinder needles can be made to clear or tuck selectively through the intermediary of the jacks, all of which are cammed radially outwards as they approach the feed. Incorporated in each feed is a cam to lift all jacks that are not pushed radially inwards by the selecting mechanism, the latter comprising 37 spring-loaded levers which can be put into

action individually by pegs placed in a patterning drum. One cam is required to take needles to clearing height and another, interchangeable with the first, to take needles to tucking height. The cylinder needles are subsequently levelled up by the adjustable stitch cam and the jacks by a take-down cam.

Around the periphery of the drum there are 37 circumferential rows of holes, each row containing 24 holes. At any one time, the drum being stationary,

the 37 holes in one of the 24 columns are aligned with the noses of the spring-loaded levers and where there are pegs in the holes they are pressing levers against the revolving cylinder and thus forcing butts radially inwards to embed the jacks in their tricks. Jacks embedded in their tricks by this means are not lifted and the needles situated above them remain at non-knitting level.

Since the patterning drum at each feed has 24 columns of holes it can be built up to select needles in 24 different ways. Each selection is negative in the sense that where pegs press levers against the cylinder, patterning butts are forced radially inwards, the corresponding jacks are not lifted, and the

needles that lie above them therefore remain at non-knitting level.

Changes from one selection to another are effected by moving the peg drum forward and provision is made so that a forward movement can put into actuating position either the next column of pegs or the next-but-one column of pegs as circumstances may require. When moving forward two columns of pegs in one double racking movement, it is advantageous to have the intermediate column set up exactly the same as the column which is finally brought into action. Single and double racking movements can take place as desired, at the rate of one movement after every revolution of the machine, unless use is made of chain control to keep the drum in one position for two or more revolutions at any time.

While the needle selecting mechanism can be adapted to satisfy a large variety of special needs in reference to figure patterning, it is utilized to the best advantage and in the most economical way when only one selecting butt is retained on each cylinder jack. Though not essential, it is generally desirable that the setout of the butts should be such that they repeat around the machine without any break in continuity. Thus, with 1,440 cylinder needles, a V-arrangement repeating on 72 jacks can be used for symmetrical patterning with individual needle selection or an echelon arrangement repeating on 36 jacks for non-symmetrical patterning, also with individual needle selection. The number of courses within the repeat depth can total as many as 576, showing, for example, 192 rows on the face side of jacquard fabric incorporating four colors. The double rack motion of the peg drums is valuable in that it permits the pattern repeat in depth to comprise any multiple of 24 courses within the stated limit. A pattern depth of 216 courses or 72 rows of jacquard work in three-colors involves nine selec-

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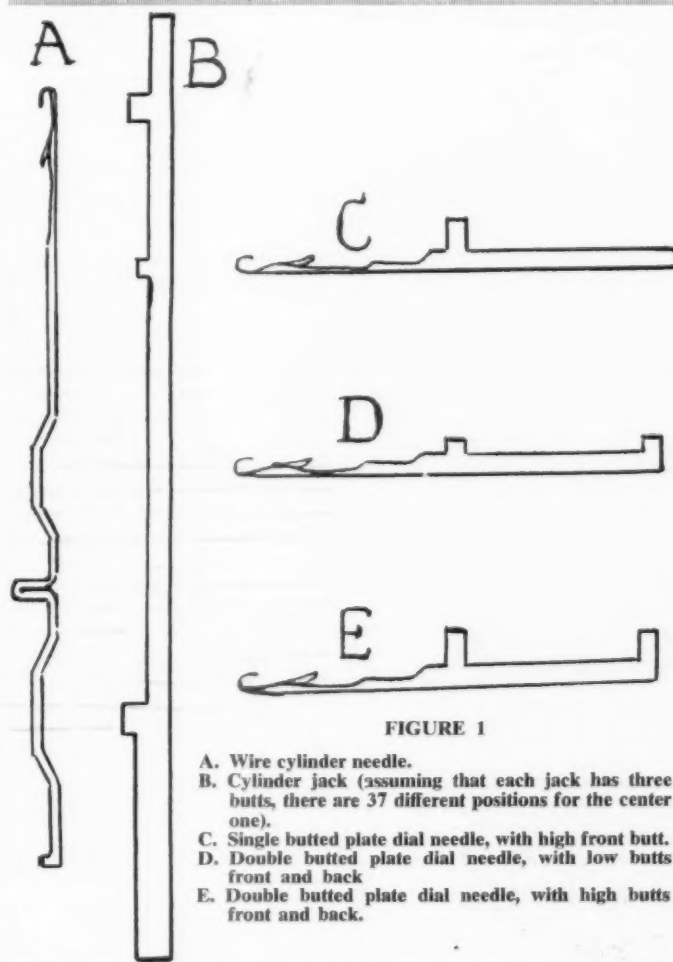


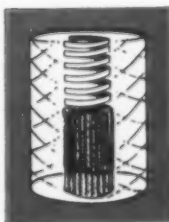
FIGURE 1

- A. Wire cylinder needle.
- B. Cylinder jack (assuming that each jack has three butts, there are 37 different positions for the center one).
- C. Single butted plate dial needle, with high front butt.
- D. Double butted plate dial needle, with low butts front and back.
- E. Double butted plate dial needle, with high butts front and back.

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tions on each drum; which can be obtained by making six single racks and three double racks, the drums being filled by setting out the design twice.

In the dial there are inserted tricks which can be replaced when damaged. Three sorts of plate needles can be used, viz. (a) single-butted needle with high front butt; (b) double-butted needle with low butts front and back; (c) double-butted needle with high butts front and back.

The dial cam plate has two tracks. At each feed, in addition to a stitch or knock-over cam in the outer track, there are two switch cams in both tracks, one to bring needles outwards to tucking position and the other to bring needles outwards to clearing position. The switch cams in the outer track are thin cams that act on high butts only while those in the inner track are normally thick cams that act on all needle butts. The use of thin cams in the inner track is also possible. For the tucking cam to be withdrawn in either track at any feed, it is necessary that the corresponding clearing cam be also withdrawn, but the combination gives scope for missing, tucking or clearing on front and back butts independently.

The machine is adaptable to use interlock as well as rib gating and knit with either delayed or synchronized or reverse timing. Timing is altered by angular displacement of the dial cam plate. From the position where cylinder and dial needles knock over at approximately the same time to give synchronized timing, to obtain delayed timing the plate is moved in counter-clockwise direction to cause dial needles to knock over about five needles earlier than cylinder needles.

Two kinds of thread guides are provided, one feeding from the side to cylinder needles for use in connection with delayed timing and the other from underneath into dial needles for use in connection with synchronized and reverse timing.

The machine is also equipped with change gear feed wheel mechanism comprising one pair of feed wheels for each feed. In addition to wheels of standard size, sets of small wheels

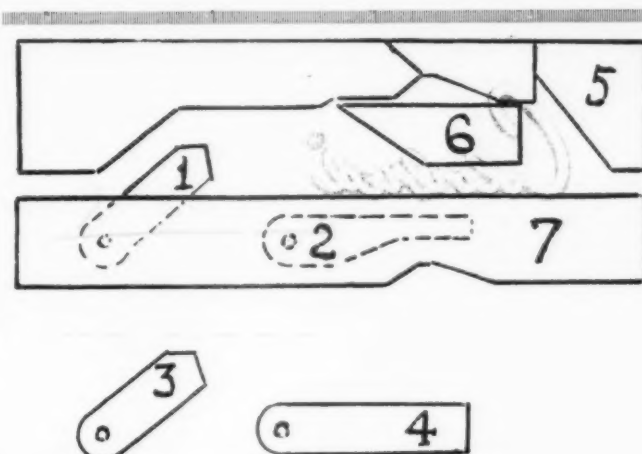


FIGURE 2 Dial Cam System at One Knitting Feed

1. Thin tucking cam for high front butts.
2. Thin clearing cam for high front butts.
3. Thick tucking cam for back butts.
4. Thick clearing cam for back butts.

Each of these four cams has a forward operative position but can be swung backwards out of action by manual control.

5. Adjustable stitch or knock-over cam for all dial needles.
6. Needle retracting cam.
7. Rest cam.

Cam 6 facilitates the knitting of cloque and bourrelet fabrics by allowing dial needles to be moved radially outwards for holding down at those feeds at which only cylinder needles are in action. When this cam is fitted, cams 2 and 4 must be swung backwards as in the diagram. Cam 1 and/or cam 3 can be used to move needle outwards to hold down.

Cam 6 facilitates the knitting of cloque and bourrelet fabrics by allowing dial needles to be moved radially outwards for holding down at those feeds at which only cylinder needles are in action. When this cam is fitted, cams 2 and 4 must be swung backwards as in the diagram. Cam 1 and/or cam 3 can be used to move needle outwards to hold down.

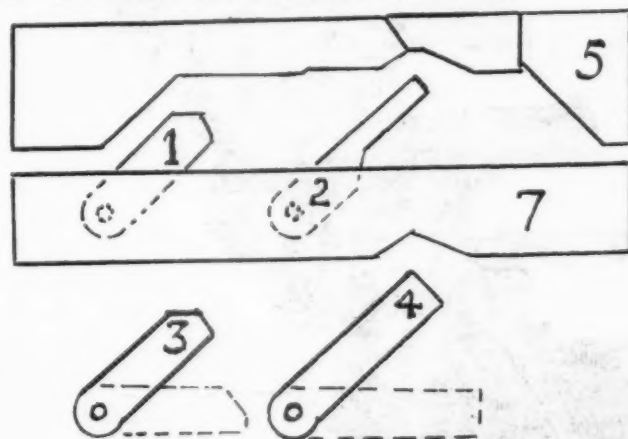


FIGURE 3 Dial Cam System with Needle Retracting Cam Removed

The standard set-up is without cam 6, making it possible to place cams 2 and 4 in forward positions for clearing. When cam 2 is operative, cam 1 must occupy tucking position and when cam 4 is operative (full-line position) cam 3 must also occupy tucking position (as indicated by the full lines).

are available for use at feeds at which the rate of yarn feed is relatively low.

The technical features outlined above enable the Overnit II machine to be used for the production of a very wide range of double jersey fabrics although some of them, such as

ordinary and fancy rib fabrics, and also tuck rib fabrics, can be made more quickly and more economically on other types of circular machines. Although it is equally true to say that interlock, single pique, double pique and similar fabrics can also be made more

quickly and more economically on other types of circular machines, the practical usefulness of the Overnit II machine is increased by the fact that it can knit these fabrics in addition to those for which it is primarily intended.

Interlock, single pique and bourrelet are knitted with interlock gating and delayed timing. Single-butted needles with high front butt are placed in odd dial tricks and double-butted needles with low front and low back butt in even dial tricks. The actions in the dial by which these fabrics differ from one another are obtainable by making appropriate cam settings at the various feeds. The necessary subdividing of cylinder needles for half gauge knitting is done by means of the selecting mechanism.

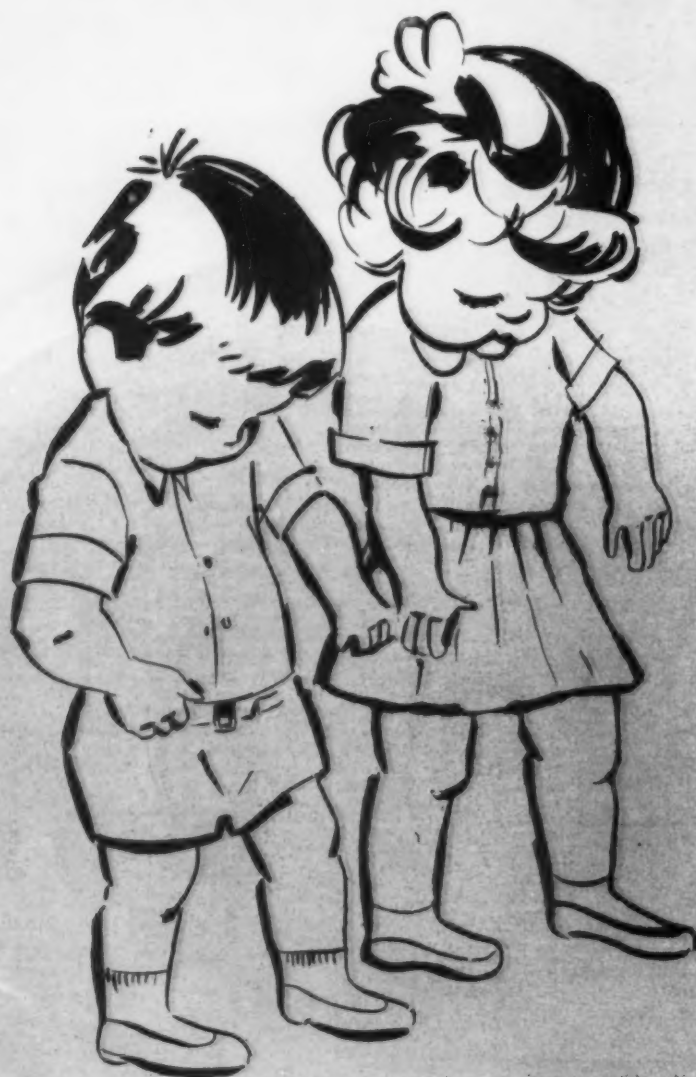
The knitting of eightlock fabric also involves needle selection in the cylinder, but for this purpose the single butted dial needles with high front butt must be placed in tricks 1, 2, 5, 6, 9, 10, etc., and the double butted dial needles with low front and low back butt in tricks 3, 4, 7, 8, 11, 12, etc.

Both Swiss and French double pique can be knitted with either synchronized or delayed timing, as desired. The selecting mechanism is not needed, use being made of the needle clearing cams to cause knitting to take place on all cylinder needles at alternate feeds. Small feed wheels are placed at those feeds at which knitting takes place on dial needles only. Irrespective of whether timing is synchronized or delayed, the type of guide that supplies yarn to dial needles must be used at the feeds at which cylinder needles are not in action.

Among double jersey fabrics which might exploit the full designing possibilities of the needle selecting mechanism are the following: (a) ripple cloth; (b) flat jacquard fabrics; (c) cloque or relief textures; (d) fabrics incorporating jacquard tuck-lace effects.

The technical face side of ripple cloth is made on the dial, either by knitting on all dial needles at every feed or on odd dial needles at feed 1, 3, 5, etc.,

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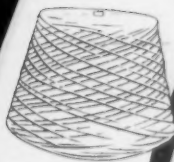
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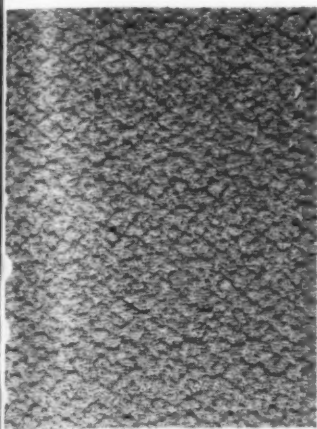
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Self-color cloque structure of conventional six-course repeat cycle knitted on a 16 x 16 machine from ends of 90-denier Ban-Lon yarn.

and on even dial needles at feeds 2, 4, 6, etc. The camming in the dial cam plate can be arranged to produce either of these face textures when the dial needles are set out as for interlock knitting. This same set-out can also be used for different flat jacquard fabrics, cloque textures and tuck lace effects.

In the production of ripple cloth, cylinder needles are selected at each feed for knitting and missing and some loops may be held on cylinder needles while these needles pass eight

feeds, or even more. Either synchronized or reverse timing can be used.

Flat jacquard fabrics include those that incorporate figure designs in two, three or four colors. It is possible to use as many as six colors in the completion of each row of face stitches but weight per unit area of fabric is then exceptionally heavy. Two-color, three-color and four-color fabrics can be knitted with either striped or birds' eye backing, the latter requiring the interlock set-up of the dial needles.

In two-color jacquard fabrics birds' eye backing can be developed in more than one way. If odd dial needles knit at feeds 1, 3, 5, etc., and even dial needles at feeds 2, 4, 6, etc., the fancy color can be supplied at feeds 2, 3, 6, 7, 10, 11, etc., and the ground color at feeds 1, 4, 5, 8, 9, 12, 13, etc.; or the fancy yarn can be supplied at feeds 1, 4, 7, 10, etc., and the ground yarn at feeds 2, 3, 5, 6, 8, 9, etc. In the latter case the ground yarn may knit on dial needles only at feeds 2, 5, 8, etc. Cylinder needles out of action at feed 1 will then knit at feed 3, and vice versa; cylinder needles out of action at feed 4 will knit at feed 6 and vice versa; and so on. To obtain the bird's eye

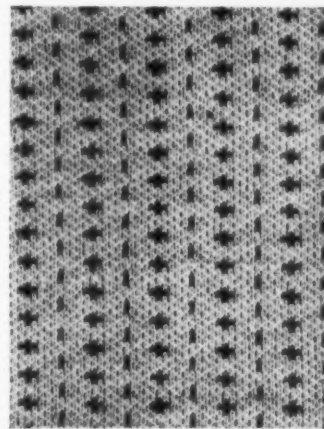
backing when supplying fancy yarn at feeds 1, 3, 5, etc., and ground yarn at feeds 2, 4, 6, etc., it is necessary to knit on single butted dial needles at feeds 3, 4, 7, 8, 11, 12, etc.

In three-color jacquard fabrics the three yarns are fed in cyclic order and bird's eye backing is produced by clearing single butted dial needles at odd feeds and double butted dial needles at even feeds. In four-color jacquard fabrics the best admixture of the colors for bird's eye effect is obtained by supplying the yarns in sequence A, B, C, D, B, A, D, C, repeating on eight feeds. All flat jacquard fabrics are knitted with synchronized timing.

Standard cloque fabrics are developed in two colors from a basic jacquard structure in which designs are produced in one color on the ground of another, the latter also serving to knit a self-color backing. The ground yarn is supplied at odd feeds and is knitted on all dial needles and selected cylinder needles. The fancy yarn, supplied at even feeds, is knitted on the cylinder only. Cylinder needles that do not knit at the first of each pair of feeds knit at the second to complete one row of face loops.

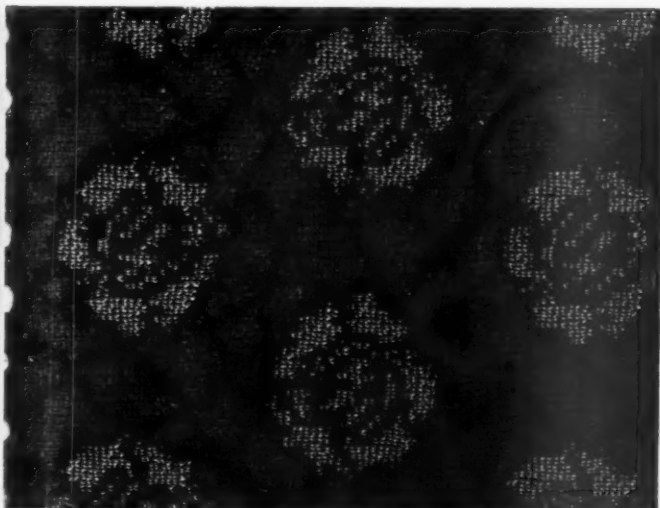
The feature common to all cloque fabric is a preponderance of stitches on the technical face side. The most prevalent cloque structure comprises a six-course knitting cycle in which the first and four courses are made from ground yarn and the other courses from fancy yarn. Dial needles are arranged as for making interlock fabric, the single butted needles being in action at feed 1 and the double butted needles at feed 4. The same cylinder needles knit fancy yarn at feeds 2 and 3 and all other cylinder needles knit yarn ground at feed 1. Fancy yarn is knitted on the same cylinder needles at feed 6 as at feed 5, but these needles may be different from those in action at the second and third feeds. Cylinder needles that do not knit at feeds 5 and 6 are in action at feed 4.

Many other cloque structures are producible, including some which feature blister effects with three colors on the face side.



Twill-backed four-color flat jacquard fabric knitted with two colors in each pattern row, the ground yarn being supplied at alternate feeds. Peg drums occupy fixed positions and dial camming is arranged so that single butted needles knit at feeds 1, 2, 5, 6, 9, 10, etc., and double-butted needles at feeds 3, 4, 7, 8, 11, 12, etc. Single and double-butted needles are set out alternately around the dial.

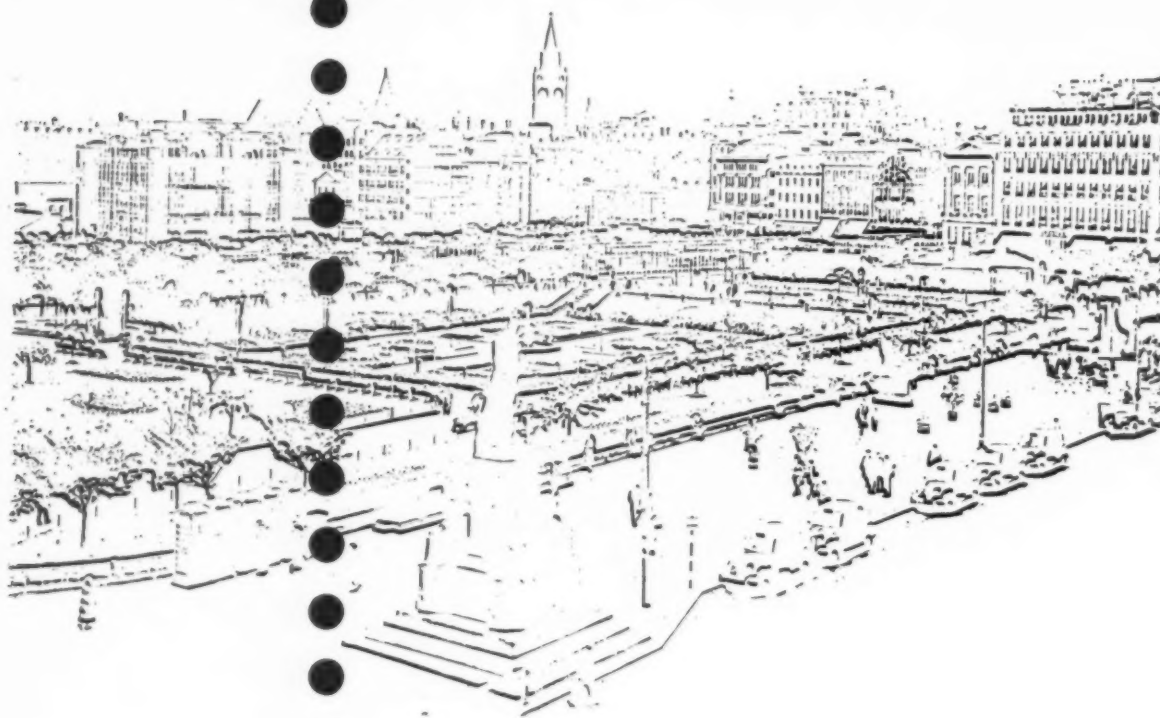
Cloque is knitted with synchronized timing. At those feeds at which dial needles are not in action they can prevent fabric from lifting on the cylinder needles by being moved out—
(Continued on Page 28)



Three-color cloque fabric featuring an eight-course repeat cycle. Light green bright rayon yarn, supplied at feeds 1 and 5, is knitted on all dial needles and selected cylinder needles. Dark green wool yarn, supplied at feeds 2 and 6, is knitted on odd dial needles at feed 2 and on even dial needles at feed 6. Selected cylinder needles also knit this dark green yarn, the selection at feed 2 involving some of the needles not selected at feed 5. Black yarn supplied at feeds 3 and 4 knits at each of these feeds on all cylinder needles that did not knit at feeds 1 or 2 and similarly black yarn supplied at feeds 7 and 8 knits at both these feeds on all cylinder needles that did not knit at feeds 5 or 6. The black yarn is not knitted on the dial.



Two-color cloque fabric produced with a six course knitting cycle. The ground yarn is supplied at the first and fourth of each group of six feeds and the fancy yarn is supplied at the second, third, fifth and sixth. The ground yarn knits on odd dial needles at the first feed and on even dial needles at the fourth feed. The same cylinder needles knit the fancy yarn at feeds 2 and 3, the selection being complementary to that of the first feed. Similarly, the cylinder needles that knit the fancy yarn at feed 6 are the same as those that knit the fancy yarn at feed 5, these needles being those that do not knit the ground yarn at feed 4. The fancy yarn is not knitted on the dial.

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Mill News**Record Profit
For Bobbie Brooks**

CLEVELAND, Ohio — Net profit of Bobbie Brooks, Inc., in the fiscal year ending April 30 amounted to \$1,986,000 or \$1.47 a share, Maurice Saltzman, president, reported to shareholders. The net profit performance compared with \$1,651,800 or \$1.22 in the previous fiscal year.

The company, which caters to the 15-to-24-year-old set, reported that in the fiscal year ending April 30, total income jumped 23 per cent to \$44,067,700, compared to \$35,721,000 the previous year.

Sales of \$2,325,800 and net profit of \$97,600 by Abby Michael, Ltd., recently acquired subsidiary of Bobbie Brooks, are included in the totals for the fiscal year just ended.

Saltzman said that the company's bookings for the current fall season once again are showing a substantial increase over the comparable period last year, and "our forecasts are for an-

other year of sales growth and profit improvement.

"Based on past experience and present market potentials, I believe that Bobbie Brooks can maintain its traditional average annual growth rate of 15 per cent or better in the foreseeable future," he said, pointing out that the 15 through 24 age group served by the company will grow four times as fast in the 1960's as it did in the 1950's.

In discussing the acquisition of Abby Michael, Ltd., Mr. Saltzman said that this was the first purchase by Bobbie Brooks of another company selling under its own brand name, and that the company will "continue to study other possibilities for expanding and diversifying its product lines."

He said that Bobbie Brooks is negotiating additional licensing arrangements for manufacture and sale of the company's styling and brand name by manufacturers in other countries. Such agreements were signed during the past year in Canada, Mexico, South Africa and Japan. Bobbie Brooks last year also began exporting its apparel to

the Scandinavian nations and other parts of the world.

"With living standards rising in many parts of the world, growing young adult populations are becoming more style conscious, and we look to our foreign business for a worthwhile long-range contribution to revenues and profits," Mr. Saltzman stated.

Sales per retail dealer increased to \$7,100 during the year ended April 30, compared with \$6,500 in the preceding year, and there is an appreciable continuing increase in the number of stores whose annual purchases from Bobbie Brooks are in a range from \$150,000 to \$400,000, Mr. Saltzman said.

Bobbie Brooks working capital totaled \$6,047,800 on April 30, compared with \$4,820,200 on the same date a year ago, and unsecured seasonal lines of bank credit for the current fiscal year have been increased to \$6,000,000.

The company recently increased its quarterly dividend to 15 cents a share, the second increase during the past six months. The number of shareholders on April 30 this year

was 4,896, compared with 3,898 on the same date last year.

**R-M-R Headquarters
Set Up In Puerto Rico**

LOS ANGELES, Calif. — Rose Marie Reid International, Ltd., wholly owned subsidiary of Rose Marie Reid, leading swimwear manufacturer, will open new headquarters for its Western Hemisphere operations in San Juan, Puerto Rico, the early part of September, it was announced by Paul Haberfeld, president of the parent California firm.

A San Juan office, according to Haberfeld, will allow the subsidiary to combine full-time sales effort in the Puerto Rican market with administrative coordination for over-all Latin American operations. In charge of the new San Juan office will be Hans Ismann, recently appointed Rose Marie Reid International, Ltd., export administrator for the Western Hemisphere.

Rose Marie Reid International, Ltd., also maintains an office in Zurich, Switzerland, for the coordination of export sales throughout Europe and the Middle East.

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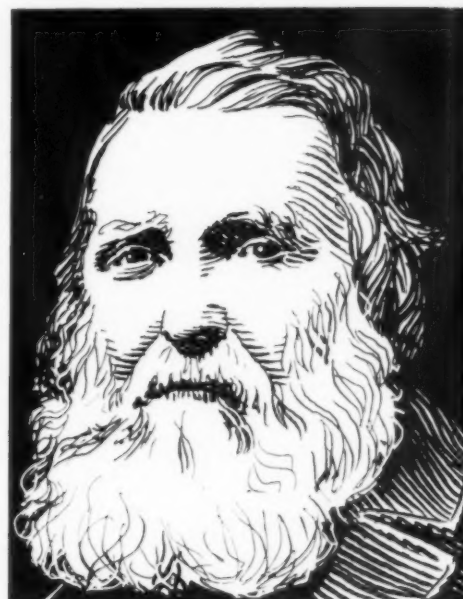
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Mill News

R. G. Holland Manager Of Carter Co. Division

Richard G. Holland has been named manager of the infants' division of the William Carter Company, manufacturers of knit outerwear and underwear, it was announced by David Gross, general merchandise manager. He succeeds Kenneth M. Childs, who has retired after 38 years as manager of this division.

Mr. Holland began with Carter's in 1951 as assistant supervisor of the production planning department. He was appointed assistant manager of the children's division in 1954, and assistant manager of the infants' division in 1958. John Heald will continue as assistant manager of the infants' division.

Amy Florette Appointed Queen Knitting Designer

PHILADELPHIA, Pa. — Amy Florette, formerly a designer for Diane Young, New York blouse and sportswear firm, has joined the designing

staff of Queen Knitting Mills, Inc.

Queen, which makes misses' sportswear and cotton knitwear, recently has completed three designing studios and a separate room for piece goods at its mill here.

A two-day sales meeting is planned by Queen, Sept. 14-15 at the Barclay Hotel, to introduce its holiday cruise line.

White Stag Co. Acquires Georgia Garment Co.

PORTLAND, Ore. — White Stag Manufacturing Company has purchased the plant and other properties of the Sylvania Garment Co., Sylvania, Georgia, for an undisclosed amount. Included are an eight-year-old 26,000-square-foot brick manufacturing building, a warehouse of equal size and nearly four acres. The plant has been employing 250 workers and is equipped with 200 sewing machines.

The acquisition is expected to increase White Stag's output by 20 to 25 per cent. While the output currently consists of

women's shirts, plans provide for eventual diversification, including knits.

Charles Schacher, White Stag staff engineer, has been placed in charge of the Sylvania plant. The purchase follows close on the heels of the opening of a regional sales office in Atlanta.

White Stag has another southern plant at Muskogee, Okla.

J. T. Upton Is Named Kaufman Sales Agent

MINNEAPOLIS, Minn. — J. T. Upton has been named new sales representative for Kaufman Knitting Co. in west Texas, it was announced here by Ray Schaak, sales manager. Upton formerly had the Rosecrest line in Arkansas, Mississippi and Louisiana. He will headquarter in Magnolia, Ark.

Marc Frisch Recovering From Recent Operation

CLEVELAND, Ohio — Marc Frisch, vice president of Frisch Knitting Mills and former president of the Cleveland District, Knitted Outerwear Manufacturers Association, has returned

home after surgery at Mt. Sinai and is expected back at work shortly.

R-M-R European Division To Hold Sales Parley

LOS ANGELES, Calif. — The European Division of Rose Marie Reid International, Ltd., will hold its first separate sales convention in Zurich, Switzerland, August 25-26, it was announced by Henry Kessler, director of European operations.

In attendance will be export representatives from England, Holland, Belgium, Germany, Portugal, and the Scandinavian countries.

Highlights of the convention will be a review of the division's operations in European markets during last season, and a presentation of the line.

Celanese Increases Price Of Arnel Filament Yarn

Celanese Fibers Company has announced an increase of five cents per pound in the price of its 75 denier Arnel triacetate filament yarn. The increase, effective immediately, applies to all types of packages.



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Association News

NKOA Supports Export Drive

Trade associations are being asked to undertake an expanded export promotion service by Luther H. Hodges, United States Secretary of Commerce. The plea was made pursuant to the President's request that maximum emphasis be placed on expanding our exports in order to improve the nation's balance of trade and its gold position.

This appeal for association cooperation encouraging new firms to develop sales abroad was made after the Department of Commerce had held a number of special conferences with industry groups in order to consider overseas market expansion and to take steps indicated for facilitating American shipments abroad. The Association's committee participating in a conference that included knitted outerwear were: Paul Habberfeld, of Rose Marie Reid; Barnet Lerner, of Blume Knitwear, Inc.; and Rudolph Stol-

ler, of Kayser-Roth International.

Sidney S. Korzenik, executive director and counsel of the Association, in replying to Secretary Hodges, reviewed the action which the Association is taking to disseminate information on foreign trade opportunities among members, to publicize information on foreign markets, and otherwise to encourage the efforts of member firms overseas.

"We should like to assure you," he said, "that your efforts in expanding exports will continue to have our conscientious support and cooperation. But it must be pointed out, he added, that our chief obstacle is our unfavorable costs as compared with those of our foreign competitors. These are due primarily to the higher wages prevailing in American mills.

Imports A Factor

"As a result of these disadvantages, far from being able to expand our sales abroad, foreign knitgoods manufacturers have been increasing their sales in our domestic market. This has been conspicuously true in

sweaters and knitted shirts, two of our most important products.

"This means that the only areas in which some foreign sales by American knitgoods producers are possible are in specialties of an unusual character. Opportunities for export are necessarily limited in such articles. But we have nevertheless taken steps to aid and encourage our members in exploiting even such opportunities to the fullest extent."

Conferences Held

After the need to step up efforts to develop exports was emphasized by President Kennedy in his message to Congress on the balance of payments and gold, the Department of Commerce launched a full-scale campaign through its National Export Expansion Committee, headed by Leonard F. McCollum, president of the Continental Oil Company. Thereafter, 33 special export expansion conferences were called, including the one covering knitted outerwear and other apparel.

Men's Wear

Sees Crew Necks, Shetlands For Fall

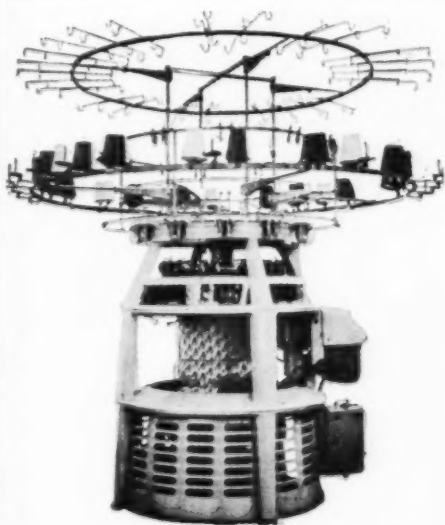
PHILADELPHIA, Pa.—The young back-to-school set will be looking this fall for crew-neck sweaters, classically styled Shetlands and jacquards.

These were some of the points made in a paper by William N. Doniger, president of McGregor Doniger, Inc., during a seminar sponsored at the Philadelphia College of Textiles and Science by the Haggard Co., Dallas, and the National Association of Men's and Boys' Clubs, August 7th-10th. In his absence, Mr. Doniger's talk was read by Dr. Bertrand W. Hayward.

Three Distinct Groups

Mr. Doniger said the casual wear market should be divided into three groups: student, 13 to 17 years; university, 17-25, and alumni, each of these groups showing preferences for certain types of "looks."

The group heard talks on store personnel training, the relation between manufacturer and retailer and other topics.



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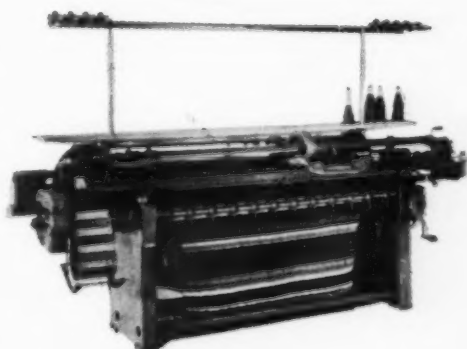
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Women's & Misses' Color Appealing Note In Frisch Line

CLEVELAND, O.—A colorful flair to the ladies' sweater outlook featuring new combinations of shades and styling is being offered to the trade by the Frisch Knitting Mills Co.

High styling and a multi-treatment for coordinates are other factors that Jerry Frisch, president of the company, believes will help make the company's current season a good one.

Voicing cautious optimism relative to predictions for the days ahead, Frisch, nevertheless, believes the company line, based on advance sales, will be well received.

"Ladies' sweaters are being accepted in greater usage than ever," he said. "We are featuring multi-color approaches. Multi-colors mean a greater degree of coordinate-wear. In effect, one sweater and six skirts will provide a sizable wardrobe for the budget-conscious and style-alert women."

Frisch noted a sharp demand

for high price wools along with a greater increase in wool sales and demands. He allowed that more people may be turning to wools because the natural fiber is proving more versatile and offering greater wear appeal.

He declared that there is "so much novelty in color and stitch in today's line that styling is becoming almost secondary. There will also be a step-up in demand for multi-colors in the holiday line, and the color flair in sweaters will be evident through the spring season."

He noted, too, that there is a definite trend away from the bulky line and towards fine knit styling.

Generally, he said that the \$8.95 to \$17.95 range will be high in sweater demand this fall. He also viewed the two-piece zephyr knit dress as most popular in the \$14.95-\$17.95 range.

Knitwear Stimulates South Florida Sales

MIAMI, Fla.—Almost every department store in the Greater Miami area is staging back-to-school fashion shows that play to capacity audiences, and dis-

play a mammoth amount of knitwear.

Richard's Department stores in South Florida broke the knit fall story July 7 to include vacation travel along with back-to-school styles, and sold 200 knit items the first day the news broke. Richard's is at the present time, like most other stores, in the midst of promoting this type of garment in back-to-school newspaper ads and in fashion shows.

Richard's better dress departments have stocked knits from \$25 to \$45 in a large range of sizes, and colors. Nearly all are double knit, with the less expensive regular jersey, and nearly all are wool, many have under blouses, nearly all are flat weave, many are intarsia, and some have the popular jewel neckline, with many of the knits of soft, muted plaid. Green is doing exceptionally well in the Richard's collection, with black, royal blue and beige also going nicely, and the season as a whole going for brighter colors. Knit dresses were a shot in the arm for July business.

A booklet dress in the budget shop in the near future at Rich-

ard's will be a model of Orlon which is expected to be a best seller in the shop. A green or blue jersey knit, and a novelty weave knit, 100 per cent wool, are other exciting items in this department. In the junior departments some interest is manifest in a two-piece flat knit, but quite naturally, teen-agers who remain in Florida the year round show less interest in knits than the campus crowd.

A mother-daughter coffee and style show to be presented by Richard's at the Palmetto Country club Aug. 28 will find models wearing fur blend, Orlon synthetics, cashmeres, and the popular new loosely woven bulkie sweaters (many cable stitched), teamed with double knit, lined Capris in the new vivid colors for fall — magenta, turquoise, green or the season's top shade — orange. Richard's beachwear and sweater buyer predicts a good sweater year, with more excitement in styling and with bulkies, and the looseknit mohair variety of garment, topping the list.

Longer, pants-length sweaters are news, along with mohair and the fuzzy look.

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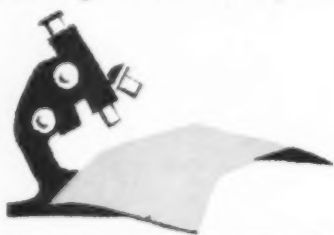
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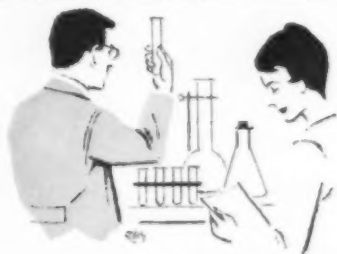
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Knitwear Ideas**Ensembles And Costumes Achieve Dramatic Dimension**

1. Casual elegance characterizes a swagger coat and its matching dress with one button detail and tie waist.

2. On the overblouse of a three-piece ensemble, one button defines the off-center closing.

3. Two different looks in tweed are created by wearing either a V-neck, notched overblouse or classic jacket over a slim skirt.

4. Forming the buttons, belt and piping of this jacket and dress is elegant satin used to offset the lacy stitch construction of both pieces.

5. Stripes are played against solid in a smart three-piece ensemble. Note unusual cuffs and patch pockets on the jacket.



Don't blindfold him!

THE MAN in this picture is a cancer research scientist. The device he is using looks like something out of science fiction—but actually, it's an electron microscope. It shows the sub-microscopic detail of a cancer cell—magnified 100,000 times. *The cost of one electron microscope is \$35,000.*

Some of the equipment needed for cancer research is even more expensive.

Today, in research centers throughout the country, 1300 scientists, supported by American Cancer Society funds, are at work searching for the cause of cancer—and, ultimately, ways to prevent it.

The American Cancer Society grants millions of dollars for research on such projects as the study of viruses as a possible cause of cancer—the development of hormone treatments for cancer—the control of cancer by drugs. *Life-and-death projects.*

Your help is needed to enable the American Cancer Society to continue this support.

Don't blindfold cancer research. Give to it. Send your contribution now, to **CANCER**, c/o your local post office. All gifts are tax-deductible.



Knitwear Abroad

Spanish Knits Starred At Fair

CHICAGO, Ill. — Knitwear played a relatively minor role at the 1961 Chicago International Trade Fair, held July 25 to August 10. Sixty nations showed their wares.

A group of Spanish knitting mills displayed a handsome collection of sweaters, knit sport shirts, dresses and neckties.

The display was coordinated and handled by Exporpunt, a recently organized promotional and selling agency for the industry that represents 16 export-minded Spanish knitting companies. Its first attempt to invade the American market via the International Trade Fair proved a modest success, according to exhibit attendants. Plans are being made to conduct a strong promotional and advertising campaign to stir further interest here in Spain's knitwear offerings.

Mostly of Wool

Most of the Spanish knitted outerwear on display was of wool. Mohair, cotton and synthetic fibers were used in some of the items.

On display were sleeveless coat sweaters, short sleeve gaucho and long sleeve sport shirts, mostly in solid colors.

An attractive metallic sweater for evening wear by Ciro's Dio was an eye-catcher. Also shown were interesting cotton knit dresses and stretch slacks.

Viewers at the Austrian display saw some excellent ski sweaters manufactured by Carlo Gruber. This was a very handsome, expensive looking collection of sweaters. Also shown were ladies' hand made orchid sweaters of mohair, with a high nubby effect, giving it a poodle-like appearance.

A ladies' sweater in variegated green, red and yellow flecks, available in both slipover and cardigan styles, also drew attention.

Sports gear and sportswear dominated the Yugoslavian knitwear exhibit. A colorful collection of ski sweaters was shown. Coat sweaters of Australian wool, V-neck slipovers featuring novelty neck treatments, and ribbed cardigans also revealed fine workmanship.

Also on display were turtle neck athletic sweaters and muk-luks manufactured by Jugosport.

The largest single display of knitwear at the Fair was to be seen in the Israeli stand. In addition to well-designed, colorful sweaters and knit dresses, the display also included an impressive array of swimwear. Very effective use of color and design characterized this display.

Israel Knits

Aled, Ltd., showed a trio of appealing numbers: a two-piece knit jacket dress with braid trim, a white belted two-piece knit suit and a beige sweater with tucked midriff treatment.

Knitwear by Lainart Co., Ltd., featured a three-piece red and gray knit suit plus a striking two-piece tricot sweater and jacket combination in a warm persimmon shade.

Israel's swimwear possessed strong commercial appeal by any standards. Swim suits on display were manufactured by Gottex, bearing the Swim-Chic label. Particularly salesworthy was a suit made of silver metallic yarn.

Designer Anni Landes displayed a suit of printed Lastex in pink and white floral pattern with a matching cotton jacket and parasol. Also of interest was a green and white bikini with matching midriff shirt and fisherman's cap.

Virgin wool sweaters made by Isret and styled by Dukret were on display. Shown were a green coat sweater and a white bulky pullover with a turtle neck styling.

Also on display was a small grouping of Israeli made infants' sweaters and rompers by Lodzia.

Equipment Firms

J. R. Stafford Appointed Head of Turbo Office

PHILADELPHIA, Pa. — John R. Stafford, sales engineer for Turbo Machine Co., Lansdale, has been named head of the company's new Southern sales and service office at 2501 Danbury St., Charlotte, N. C.

The office will handle Turbo staplers, crimpers, fiber setters, the Turbo Dye Boarder, finishing machines, tubular knit processing machines and skein and package dyeing machines.

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From the Preface

by SIDNEY S. KORZENIK

Exec. Dir. & Counsel, N.K.O.A.

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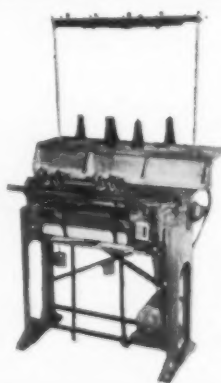
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Trimmings

Classic Crests, Emblems And Pins Continue In Popularity At New India

Clothing manufacturers have expressed the view that changes in the design of crests is both unnecessary and undesirable. This conclusion is the result of a recent survey by New India Industries, Inc., of their customers in many fields. (New India Industries are designers, manufacturers and importers of hand embroidered metallic emblems, crests and pins.) Many of these clothing manufacturers, 79.8 per cent of which voted against change in this field, have been ordering crests with little or no change for as long as ten years.

Among those customers manufacturing coat sweaters, some have been ordering the identical crests for eight years and are presently buying for the ninth consecutive year with no reported diminution of demand at the retail level for the garments involved. While some changes are required, they report, these are in the knit pattern, buttons, location of pockets or type of collar with the crest being the one unifying and identifying factor in the line from season to season.

An informal consumer survey, conducted among a selected group of teen-agers, young women and young men, indicated an almost unanimous preference for both knitted and woven jackets with the hand-embroidered pocket crest supplied by New India.

A stock of over 1,000,000 pieces in 150 styles, all sizes and qualities is maintained in

New York and in addition this company has an equally large inventory in India from which urgent air-freight shipments can be drawn at short notice to make up any sudden depletion of local inventory without any inconvenience to the customer.

This wide diversification of stock plus the ready availability of supplies results in the unique application of many of the firm's designs not only on knitted sweaters, shirts and jackets but also on millinery, dresses, coats, suits, handbags, neckwear, uniforms and more limited applications such as baby carriages and vacuum cleaners.

All emblems may be ordered supplied with pin-on backs or with plain backs for sewing or cementing to the garment. For large volume users, especially T-shirt or polo shirt manufacturers, New India maintains a special staff for the sole work of applying crests directly to the cut sections or finished goods furnished by the customer.

Over the past decade, a steady growth of the demand for crests has been noted which approximately parallels the population increase. But there has been an even greater demand for specialized crests which are made to order in the design of any club, school, religious, social or fraternal organization, company or resort—a trend borrowed from Britain and the Continent. These crests are made to order and are the exclusive domain of the firm first ordering them for so long as they are in need of such protection.

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NEW KNITTING PATENTS

FIBER RECOVERY UNIT FOR KNITTING MACHINES PATENTED

A fiber recovery unit for knitting machines invented by Silas M. Wheelock, Wilmington, Delaware, has been granted U. S. Patent No. 2,993,351, which the inventor has assigned to E. I. du Pont de Nemours & Company, Inc.

The new fiber recovery unit is for use in a sliver knitting machine having a needle cylinder and at least one carding head feeding to the needle cylinder at a knitting location. An exhaust stack having an inlet located above the knitting location removes free fibers. A fiber recovery unit including conveyor leads from the stack to the carding head and a fiber collection device within the stack. This device is coupled with the conveyor for the discharge of collected fibers thereto.

LOOSE COURSE ATTACHMENT FOR KNITTING MACHINES—A loose course attachment designed for use on knitting machines, invented by Peter A. Mahler of Philadelphia, Pa., and Paul J. Haas of Willow Grove, Pa., has been granted U. S. Patent No. 2,981,085. The inventors have assigned the patent to Singer-Fidelity, Inc., Philadelphia.

The patent relates to a knitting machine comprising a rotary needled cylinder in which a cam actuates the needle to form yarn into inter-knitted loops and is adjustable to vary the length of the loops. An indexed pattern drum controls the operations of the machine. A pattern

chain having cams controls the actuations of the drum index and a mechanism indexes the chain in timed relation to the rotary movements of the cylinder.

Another mechanism is provided for adjusting the needle cam including a primary actuating element which is movable in synchronism with the chain indexing mechanism. A transmission operatively interconnects the actuating element with the cam needle. Means are incorporated for normally uncoupling the actuating element from the transmission and other means are responsive to the movements of the chain for intermittently coupling the actuating element to the transmission.

NEW KNITTING METHOD PATENTED—A new method of knitting, invented by Nathan Levin, Trenton, New Jersey, has been granted U. S. Patent No. 2,995,020.

The new knitting method is for use in the operation of a circular knitting machine having a knitting feed equipped with a throat plate over which yarn is adapted to be fed to and taken by a circle of latch needles passing the throat plate.

The method of initiating the feeding of the yarn to bare needles passing the throat plate at tuck level includes the step of causing a group of bare needles to pass the throat plate at latch clearing level before the passage of the tuck level needles.

(Continued on Page 26)

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Shelly Meiman, President

METHOD FOR SLITTING THERMOPLASTIC FABRIC WHILE BEING KNITTED—A method of slitting thermoplastic knitted fabric while in the process of being knitted has been invented by Thomas Stuart Payne and Thomas L. Graves, both of Greensboro, North Carolina. The new process has been granted U. S. Patent No. 2,995,021, and assigned by the inventors to Burlington Industries, Inc., Greensboro, N. C.

The method consists of the following steps, in sequence:

1. Initially knitting several courses of thermoplastic yarn on a full-fashioned knitting machine while drawing off the resulting knitted fabric from the knitting elements of the machine;

2. A thin slitter, heated to a temperature sufficient to melt the fabric, is interposed in the path of draw-off movement of the fabric closely adjacent the knitting elements to thereby slit the fabric as it is drawn past the slitter;

3. The process of knitting the yarn is continued and the knitted fabric is drawn off and slitted until sufficient fabric has been knit to form a welt;

4. The slitter is moved out of the path.

In succeeding steps the welt is turned and several courses of the yarn are knitted onto the welt while drawing off the fabric. The slitter is then re-interposed in the path. Knitting of the yarn is continued and fabric drawn off and slitted as it is drawn past the slitter.

NEW BRITISH WARP KNITTING MACHINE PATENTED—A new warp knitting machine invented by Allan William Henry Porter of Burton-on-Trent, England, has been granted U. S. Patent No. 2,995,022, which has been assigned by the inventor to Hobourn-F-N-F, Limited.

The new flat warp knitting machine with a stop motion comprises a row of hooked members each of which is arranged to engage over and be supported by one of the threads. A row of guides mounts the hooked members in side by side spaced apart relation for up and down movement. A brushing member extends along the row of hooked members and a driving mechanism is provided for moving the brushing member along the row. A series of fingers projects from the brushing member and engages with the hooked members as the brushing member moves to impart a slight twisting movement to the hooked members relative to the guides to maintain freedom of up and down movement of the hooked members in the guides.

An electrical conductor below the hooked members is so positioned as to be contacted by one of the hook members whenever that hook member is permitted to fall as a result of breakage of the thread supporting it. An electrical circuit passes through the conductor and is closed by contact between the conductor and a hook member and by closing the circuit means are actuated for stopping the machine.

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Diamond jacquard design decorates a basic tank suit silhouette.

Wide shoulder straps and hip pockets detail a nubby surface suit.

The basic strapless suit is here designed in a South Sea island batik.

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(Continued from Page 1)

machine knitter, or 320 hours in the occupations of machine stitcher or presser, or 240 hours in the occupations of winder, dyeing machine operator, brush machine operator, or dryer operator.

If a person employed as a trainee had been previously employed in that same occupation in the knitted wear industry within the previous three years, the hours of such previous employment are to be deducted from the authorized learning period, under the regulation as now amended. Previously, the period referred to in this provision was two years. The amendment is made simultaneously with the increase in learner rate.

The knitted wear industry is defined as follows:

"(a) The manufacturing, dyeing or other finishing of any knitted fabric made from any yarn or mixture of yarns, except fulled suitings, coatings, top-coatings, or over-coatings containing more than 25 per cent, by weight, of wool or animal fiber other than silk.

"(b) The manufacturing, dyeing or other finishing, from any yarn or mixture of yarns, or from purchased knitted fabric, of any of the following products:

(1) Knitted garments or garment accessories for use as underwear, sleeping wear, or negligees.

(2) Fleece-lined garments; excluding, however, all fleece-lined garments made from purchased knitted fabric, except fabric containing cotton only or containing any mixture of cotton and not more than 25 per cent, by weight, of wool or animal fiber other than silk.

(3) Knitted towels or cloths.

"(c) Knitted shirts of cotton or any other fiber or any mixture of fibers which have been manufactured in the same establishment as that where the knitting process is performed.

"(d) The manufacturing of men's and boys' underwear, from any woven fabric.

"(e) The knitting from any yarn or mixture of yarns and the further manufacturing, dyeing

or other finishing of knitted garments, knitted garment sections, or knitted garment accessories for use as external apparel or covering which are partially or completely manufactured in the same establishment as that where the knitting process is performed; and the manufacture of bathing suits from any purchased fabric: Provided, That the manufacturing, dyeing or other finishing of gloves, mittens, and hosiery shall not be included."

Technical Features Of Mayer Overnilt

(Continued from Page 11)

wards by the tucking cam and taken inwards again before they reach the yarn feeding position. Strong tension during drawing-off is a necessary condition for the efficient knitting of both ripple cloth and cloque fabrics.

The manufacture of jacquard tuck lace designs involves knitting on all the dial needles at every odd-numbered feeds and at these same feeds tucking on the cylinder needles whose jacks have not been pressed back. At every even-numbered feed knitting takes place on all cylinder needles and the dial needles are out of action. Synchronized timing is used along with rib gating, and the normal jack clearing cams are replaced by tucking cams at odd-numbered feeds. Jacquard selection is not required at even-numbered feeds, swing cams being positioned at these feeders to lift all cylinder needles to clearing height. In this kind of figured fabric, the dial needles produce the stitches that lie on the technical face side.

Because of variable rates of yarn consumption, ripple cloth, flat jacquard, cloque and tuck lace fabrics must be made independently of yarn feed wheels and it is advisable to put this mechanism out of action.

Factoring

Joins Meinhard & Co. Staff

Arthur H. Cayer, Florida sales executive, has joined Meinhard & Company, Inc., century-old factoring and financing firm, as new business representative in Miami, it was announced by Charles L. Harding Jr., president.

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- 2—Universal Supramats, 63", 4 cut
- 2—Jacquard TA-12, 30", 10½ cut
- 1—Jacquard TA-12, 30", 11 cut
- 1—Lamb, 10 cut border machine
- 1—Jacquard TAI, 12 cut, 12 strippers
- 10—Lamb, Dubied, Grosser machines, 5-14 cut
- 1—Universal 6 spindle backwinder

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BOX 350K

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CASH PAID for surplus stocks of Sweaters and Bathing Suits

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SWEATERS — POLO SHIRTS — SPORTSWEAR

Men's, Boys'
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Solids, stripes & fancies. Also Orions, Acrilans, Fleece, Metallics. Woven piece goods & remnants. **We pay cash.**

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S. LEVINE AND SONS

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CLOSEOUTS WANTED

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STYLIST & MERCHANDISER**

25 years successful experience in styling, production, yarn buying and merchandising.

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Box 1107 Realservice Advertising
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PRODUCTION MAN-STYLIST AVAILABLE

with thorough knowledge of cost, yarn, quality control, styling and pattern making.

BOX 340R

STYLIST

Strong woolen background in men's and women's outerwear and sportswear. Can provide new ideas and sales in fancies.

Box 350S

PRODUCTION MAN AVAILABLE

Can take complete charge of plant. Experienced in ladies', men's and boys' sweaters. Presently handling 2,000 dozen production.

BOX 350B

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Financing available on Chattel Mortgages for businesses with good potential.

BOX 350H

**For Best Results try
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WHEN YOU ADVERTISE IN THE "MARKET PLACE SECTION"

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BEST RESULTS
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**— WHEN YOU
— WANT TO BUY,
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*Yarns, Knitting Machinery
Mill Equipment, Supplies*

**— NEED
— CONTRACTORS?**

**— WANT A JOB
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— ADDITIONAL HELP?**

**— SEEK A NEW
— BUSINESS
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RATES: one insertion—35 cents per word. Words set completely in capitals—40 cents per word. Box numbers count as two words. Minimum cost of advertisement—\$3.50. Minimum cost of Positions Wanted advertisements—\$5.00. Trade Wants for Monday's paper must be in by preceding Wednesday, 2 P.M. Please enclose payment with your order.

Knitter-mechanic available. Thoroughly experienced on all types of machines. BOX 352A

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Contractor seeks additional work on ladies' wool and Ban-lon sweaters. Novelties and classics. BOX 350T

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KNITTED OUTERWEAR TIMES
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Gentlemen:

Insert the ad written below in issues.
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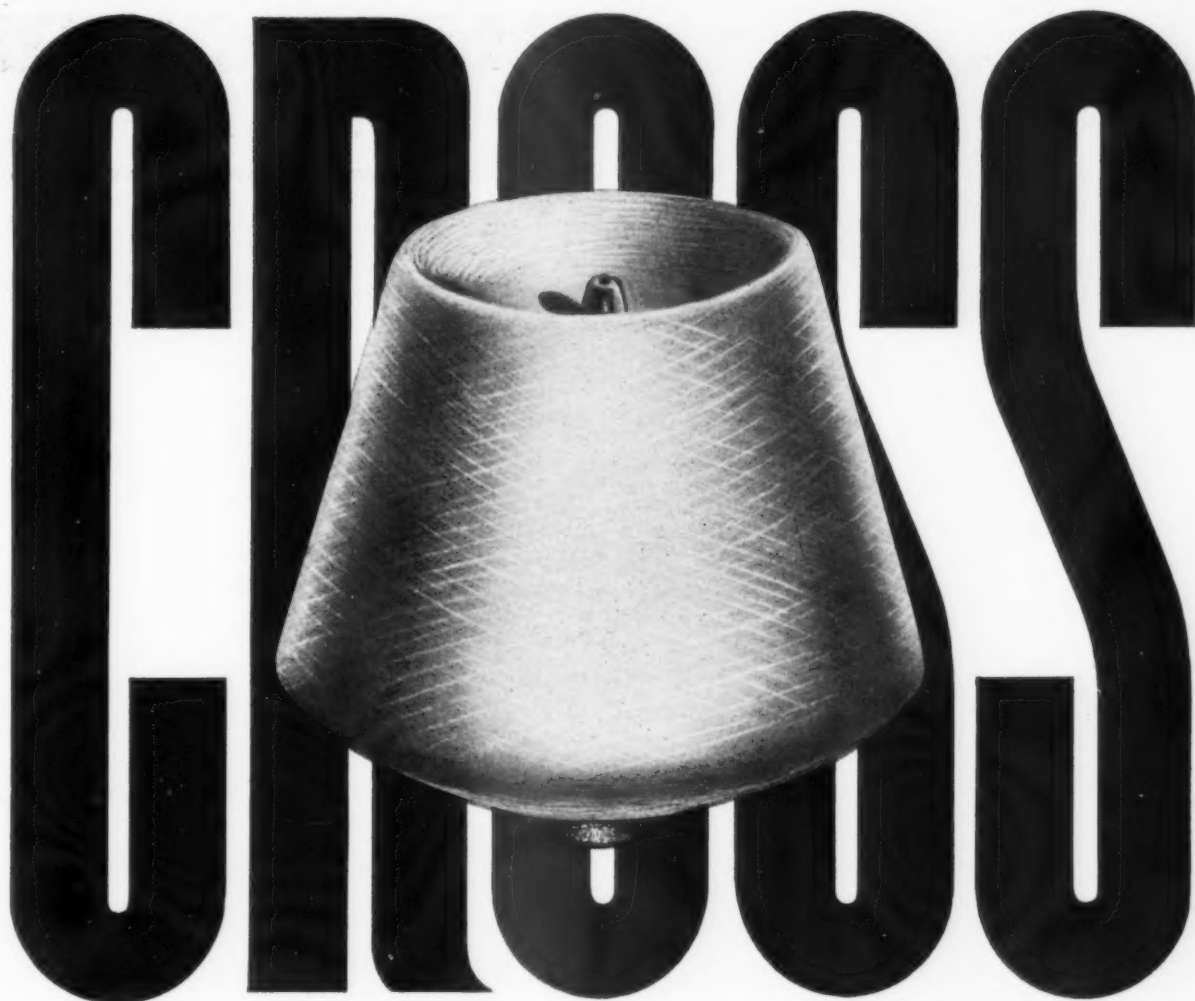
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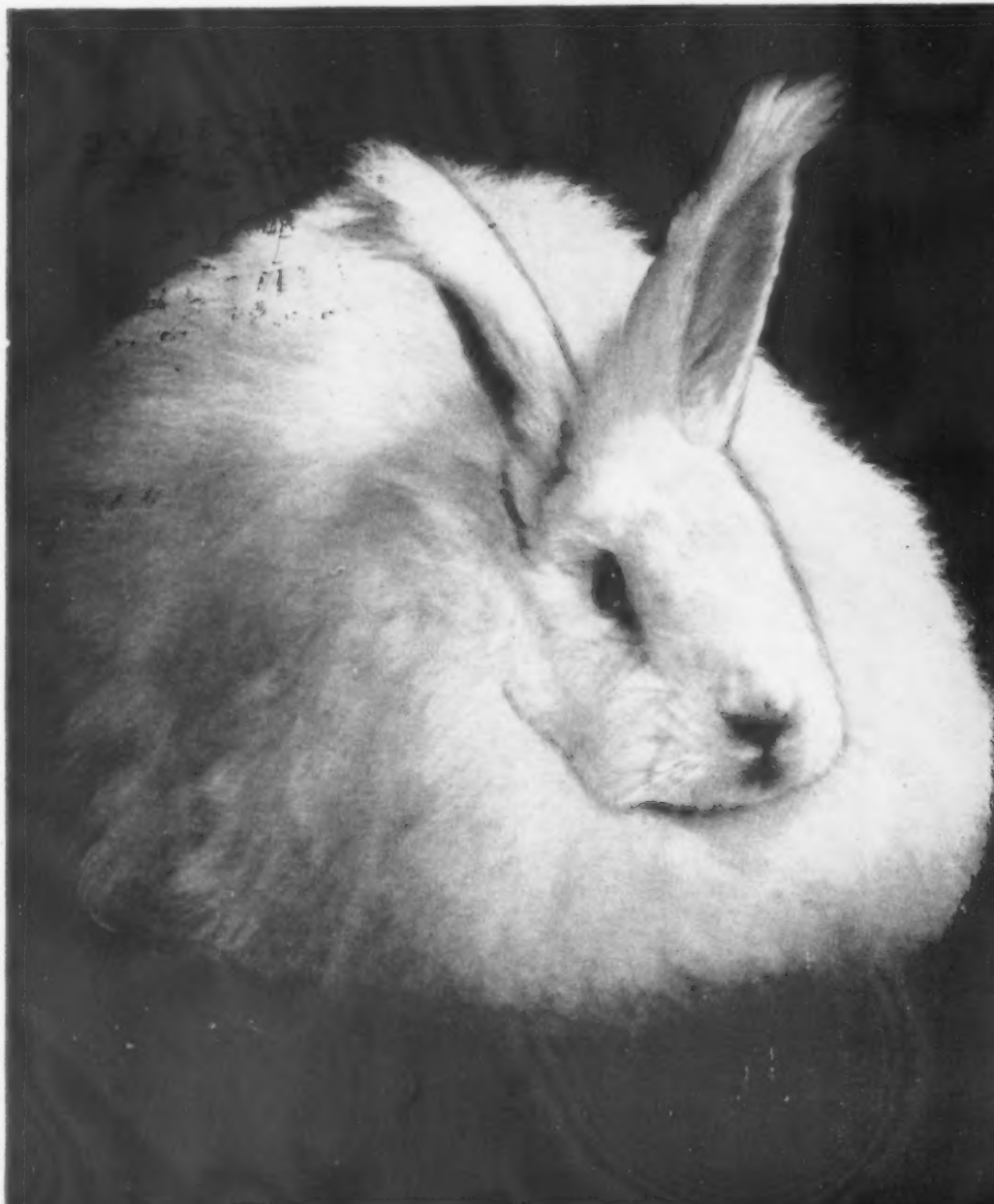
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